



SPLIT & MULTI-SPLIT

Light Commercial & Residential SPLIT & MULTI-SPLIT

Energy saving design to provide a comfortable indoor environment while being environment-friendly.

These are air conditioners that are both user-friendly and environment-friendly. General air conditioners cater to a wide range of needs, from living rooms, bedrooms, stores, small offices, through to hotels.

SPLIT

- Refrigerant R32 Models
 - Wall-Mounted
 - Cassette
 - Duct
 - Floor
 - Ceiling
- Refrigerant R410A Models
 - Duct

MULTI-SPLIT

- Refrigerant R32 Models
 - 2-unit to 5-unit Multi-Split
 - Simultaneous Multi-Split Twin/Triple
 - Simultaneous Multi-Split Twin/Triple/Double Twin
- Refrigerant R410A Models
 - 6-unit Multi-Split
 - Simultaneous Multi-Split Twin/Triple/Double Twin



SPLIT & MULTI-SPLIT

Light Commercial & Residential

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SPLIT

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Refrigerant R32 Models

Wall-Mounted - Built in WLAN adapter model

- S-016 Designer Range
 - High Spec & Design
 - Cool Beauty Design
- S-020 Standard Range - High-Efficiency & Comfort
- S-022 ECO Range - Compact Size

Wall-Mounted

- S-024 Standard Range
 - High-Efficiency & Large Room
- S-028 ECO Range
 - Compact Size
 - Comfort for Large Room
 - Cooling-enhanced type

Cassette

- S-034 Compact 4-way Flow Range - Compact Size
- S-036 Circular Flow Range - Comfort for Large Room

Duct

- S-038 Slim Duct - Slim Design
- S-040 Medium Static Pressure Duct
 - High-Efficiency & Comfort
 - Compact Size
 - Standard
- S-050 High Static Pressure Duct

Floor, Ceiling

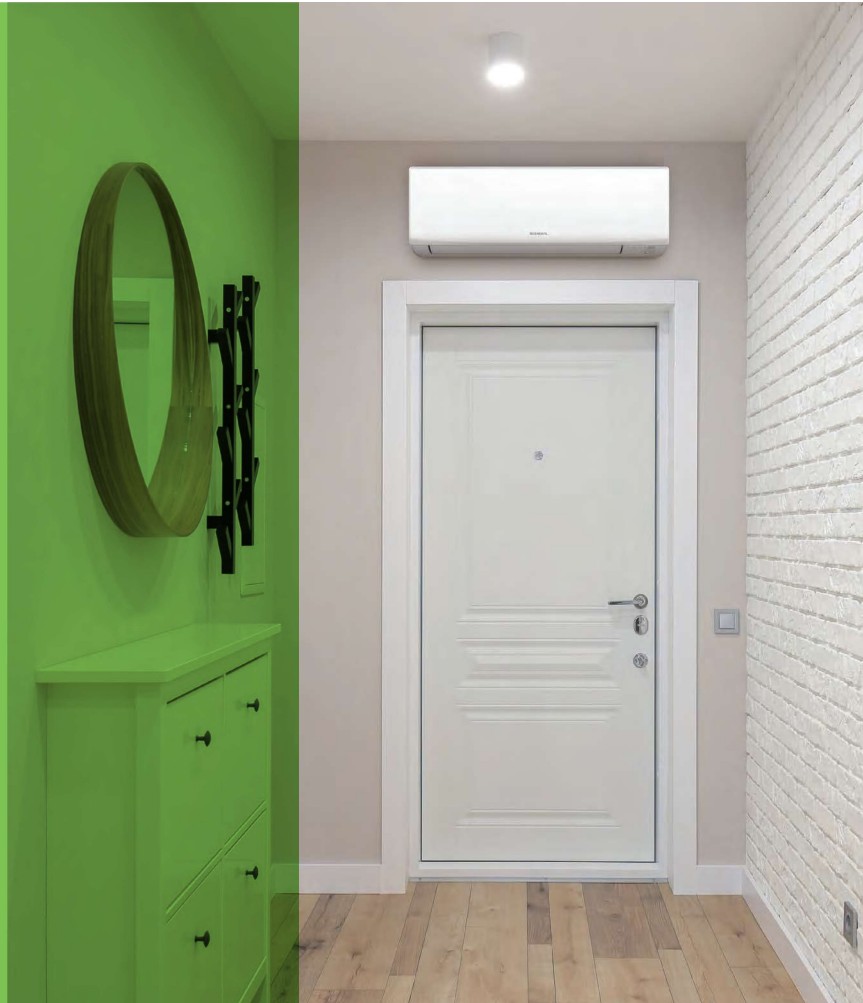
- S-056 Floor - Compact Size
- S-058 Ceiling



Refrigerant R410A Models

Duct

- S-052 High Static Pressure Duct
- S-054 Big Duct



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Split Overview

General provides its customers with 5 types and 86 models of air conditioning systems perfect for various customer applications and layouts.



Existing Pipes can be Reused If They Meet Our Guidelines

Please consult with our regional sales subsidiaries for details.

Cautions When Reusing The Existing Pipes

- The thickness of the pipes must be 0.8 mm or thicker in accordance with the pipe diameter.
- Use flares that have been reworked to be compatible with the new refrigerant, and are compliant with ISO 14903.
- Select suitable wire in accordance with the installation manual of the new air conditioning unit.
- When pump-down is not possible or when the inner pipe walls are dirty, make sure to clean the pipes before connecting new ones.
- When using different diameters pipes from the standard sizes,
 - The performance may not reach the published specification value.
 - Dedicated flare nuts compliant with ISO 14903 should be procured locally.
 - Restrictions apply to pipe lengths, refrigerant volumes, and room sizes.

S-004



Wall-Mounted

Simple and easy to install, all models, are expertly designed to control airflow and save energy. The design, with its flat and simple appeal, perfectly matches room interiors. All models use the environmentally friendly refrigerant R32.



Duct

The main unit is hidden in the wall, making the room look neat and tidy. The lineup also includes slim duct models that can be installed in narrow spaces such as between beams and under ceilings. Large models, suitable for air conditioning vast spaces, allow multiple outlets to be installed in just one unit, and are perfect for atypical room layouts.



Cassette

The Cassette type, which blends in perfectly with the interior design, blows air in all four directions to create an even air-conditioning for the entire space. We have a variety of series including Compact models with a uniquely designed panel to match grid ceilings, and Circular Flow models that send airflow in a 360° direction.



Floor

The compact and slim design makes this model suitable for installation in commercial as well as residential buildings. This model is also recommended as a heating device because it delivers a warm airflow from both the top and bottom outlets.



Ceiling

As with the wall-mounted unit, ceiling installation is very easy, and the unit's thin structure with a height of just 240 mm allows neat installation. The powerful airflow that can reach far away from the wide outlet is perfect for large meeting rooms, audiovisual rooms, and other rectangular spaces with a lot of depth.

S-005

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Indoor Units Lineup



GENERAL HVAC Solutions Euro GmbH
participates in the ECP program for AC.
Check ongoing validity of certificate:
www.eurovent-certification.com

Type	Range	Refrigerant	Model	Class												
				7	9	12	14	18	22	24	30	36	45	54	60	72
Wall-Mounted Built in W-LAN adapter model	Designer Range Minimal Elegance Design	 Cooling & Heating	 	ASHH07K/JCAL ASH109K/JCALB	ASHH09K/JCAL ASH109K/JCALB	ASHH12K/JCAL ASH112K/JCALB	ASHH14K/JCAL ASH114K/JCALB									
	Standard Range High-Efficiency & Comfort	 Cooling & Heating	 	ASHH07K/MCC ASHH07K/MCC-B	ASHH09K/MCC ASHH09K/MCC-B	ASHH12K/MCC ASHH12K/MCC-B	ASHH14K/MCC ASHH14K/MCC-B									
	Standard Range High-Efficiency & Large Rooms	 Cooling & Heating	 					ASHH18K/MTGL		ASHH24K/MTGL						
	ECO Range Compact Size	 Cooling & Heating	 	ASHH07K/CA	ASHH09K/CA	ASHH12K/CA										
	ECO Range Cooling-enhanced	 Cooling & Heating	 	ASHH07K/LTBL	ASHH09K/LTBL	ASHH12K/LTBL										
	ECO Range Comfort for Large Rooms	 Cooling & Heating	 					ASHH18K/LCBL		ASHH24K/LCBL						
Wall-Mounted	Standard Range High-Efficiency & Large Rooms	 Cooling & Heating	 								ASHH30K/MTB	ASHH36K/MTB				

S-006

S-007

SPLIT

SPLIT

Indoor Units Lineup



GENERAL HVAC Solutions Euro GmbH
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Type	Range		Refrigerant	Model		Class															
						7	9	12	14	18	22	24	30	36	45	54	60	72	90		
Cassette	Compact 4-way Flow Range Fits grid ceiling		 Cooling & Heating				AUXG09KVL A	AUXG12KVL A	AUXG14KVL A	AUXG18KVL A	AUXG22KVL A	AUXG24KVL A									
	Circular Flow Range Comfort for Large Rooms		 Cooling & Heating	 18/22/24	 30/36/45/54					AUXG18KRL B	AUXG22KRL B	AUXG24KRL B	AUXG30KRL B	AUXG36KRL B	AUXG45KRL B	AUXG54KRL B					
Duct	Low Static Pressure Range	Slim Type ESP up to 90 Pa ESP up to 100 Pa with backflow drain pump	 Cooling & Heating	 09/12/14	 18		ARXG09KLL A	ARXG12KLL A	ARXG14KLL A	ARXG18KLL A											
	Medium Static Pressure Range	High-Efficiency & Comfort ESP up to 150 Pa The system includes static pressure damper with integrated EC pump	 Cooling & Heating	 12/14/18	 22/24	 30/36/45/54		ARXH12KMT A	ARXH14KMT A	ARXH18KMT A	ARXH22KMT A	ARXH24KMT A	ARXH30KMT A	ARXH36KMT A	ARXH45KMT A	ARXH54KMT A					
		Standard ESP up to 150 Pa	 Cooling & Heating								ARXG22KML B	ARXG24KML A	ARXG30KML A	ARXG36KML A	ARXG45KML A						
	High Static Pressure Duct	Compact Size ESP up to 200 Pa Compact 300 mm design with integrated EC pump for easy installation	 Cooling & Heating	 12/14	 18/22/24/30	 36/45/54			ARXG12KH T A	ARXG14KH T A	ARXG18KH T A	ARXG22KH T A	ARXG24KH T A	ARXG30KH T A	ARXG36KH T A	ARXG45KH T A	ARXG54KH T A				
		Standard ESP up to 250 Pa	 Cooling & Heating													ARXG45KH T B	ARXG54KH T B				
		High-Efficiency & Comfort ESP up to 250 Pa	 Cooling & Heating	 NEW														ARXH60KH T A			
			 Cooling & Heating															ARHG60LH T A			
		High-Efficiency ESP up to 200 Pa	 Cooling & Heating	 NEW																ARXH72KH T A	ARXH90KH T A
			Standard ESP up to 200 Pa* (110-150 Pa)	 Cooling & Heating																ARHG72LH T A	ARHG90LH T A
	Floor Compact & Comfort		 Cooling & Heating					AGHG09KVC A	AGHG12KVC A	AGHG14KVC A											
Ceiling		 Cooling & Heating	 18/22	 24/30	 36/45/54					ABHG18KRT A	ABHG22KRT A	ABHG24KRT A	ABHG30KRT A	ABHG36KRT A	ABHG45KRT A	ABHG54KRT A					

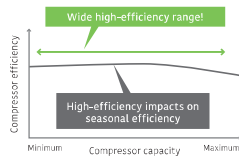
Features

High-Efficiency

ALL DC All DC Inverter Technology

DC Twin-Rotary Compressor

A high-efficiency 2-cylinder rotary compressor with a DC inverter optimizes the internal structure of the compressor to achieve higher energy efficiency compared to similar compressors.



DC Fan Motor

The DC fan motor produces high power, a wide operating range, and high-efficiency.



Sine-Wave DC Inverter Control

High-efficiency operation is realized by using sine-wave DC inverter control.



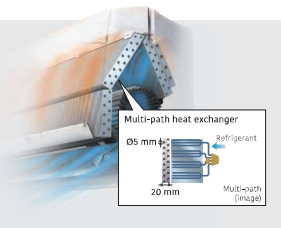
Heat Exchanger for Wall-Mounted

High-density multipath heat exchanger

Thinner and denser heat exchangers and multipath efficiency technology have substantially improved heat exchange performance.

High-performance sub-cool heat exchanger

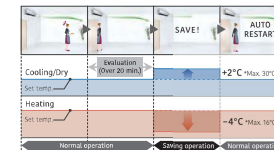
A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)



High Energy Saving

Occupancy Sensor Control

The Occupancy sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



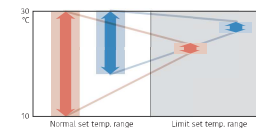
Economy Operation

Limits maximum operation, reducing the power consumption, and thereby suppressing the maximum load.



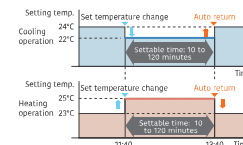
Setting Temperature Range Limitation

The minimum and maximum temperature range can be set giving further energy savings while considering the comfort of the occupants.



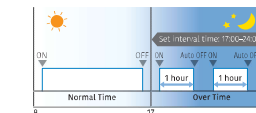
Set Temperature Auto Return

- The set temperature automatically returns to the previously set temperature.
- The time range in which the set temperature can be changed is from 10 to 120 minutes.



Auto-Off Timer

- The indoor unit is automatically turned off when it reaches a preset operating time frame.
- The time frame of the Auto-off timer can be flexibly scheduled.
- Auto-off times can be set from 30 to 240 minutes.



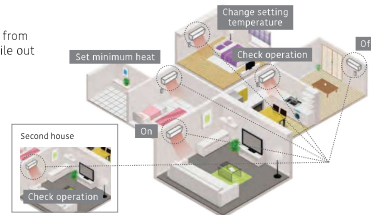
SPLIT

More Comfort



Wireless LAN Control

Users can control their air conditioners from anywhere with their mobile devices while out or on the move.

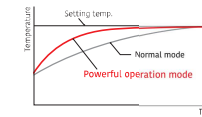


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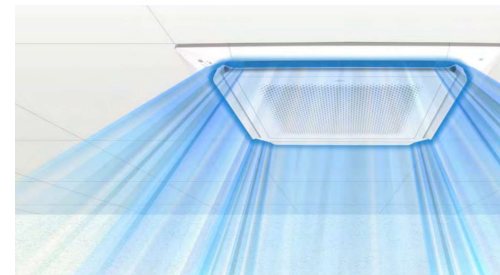
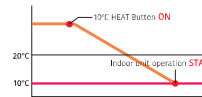
Powerful Operation

Maximum airflow and maximum compressor speed are maintained for the period necessary to reach the set temperature quickly.



10°C Heat

After a person has left the room, the system switches to minimum heating operation to maintain the room temperature. (Maintained at 10°C)



Individual Airflow Direction Control

Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces



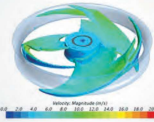
S-013



Low Noise Technology

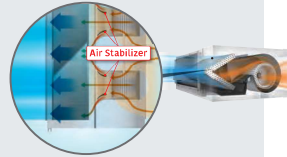
Outdoor Unit Fan

Outdoor unit fan design with a small separation vortex, minimized air volume by fan control, and top-class low noise



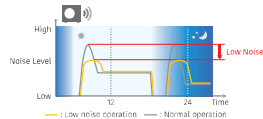
Air Stabilizer in Duct

Low-noise duct structure with a built-in air stabilizer



Outdoor Unit Low Noise Operation

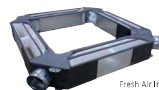
Users can choose low noise levels, depending on the installation environment. Operation time can be set by timer.



*During Outdoor unit low noise operation, the maximum capacity is reduced, so it may take longer for the room to warm up.
*Even if Outdoor unit low noise operation is set, the operating noise may not decrease if the room temperature is close to the set temperature.

Fresh Air Intake for Cassette, Duct, Ceiling

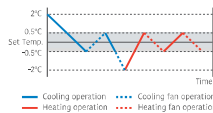
Fresh air is taken in by a fan connected to an external control unit.



Fresh Air Intake Kit

Auto Changeover

In an auto setting, the system automatically switches between cooling and heating modes according to the set temperature and room temperature.



Feature Explanation

Energy-Saving Features

- Save Occupancy Sensor**
The Occupancy sensor detects the movement of people in the room and determines whether to switch to energy saving operation.
- Occupancy Sensor Control**
The Occupancy sensor detects whether someone is in the room and decides whether to save energy or stop the unit.
- Setting Temperature Range Limitation**
Sets the minimum and maximum limits on room temperature to establish the right balance between energy saving and a comfortable environment.
- Set Temperature Auto Return**
The set room temperature automatically returns to the previously set temperature.
- Economy Operation**
The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.

Features for Comfort

- Powerful Operation**
Operation at maximum air flow and compressor speed, that quickly makes the room comfortable.
- 10°C Heat**
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Auto Changeover**
The unit automatically switches between heating and cooling modes based on the temperature setting and the room temperature.
- UP/DOWN Swing Louver**
The vertical louver automatically swings up and down.
- Automatic Fan Speed**
A micro-computer automatically adjusts the airflow to follow the changes in room temperature.
- Auto Restart**
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.
- Fresh Air Intake**
Fresh air can be taken in by a fan connected to an external control unit.
- Connectable Distributing Duct**
Locally purchased branch ducts can be attached to the system to distribute the airflow.
- Outdoor Unit Low Noise Operation**
The noise level of the outdoor unit can be selected.
- Double Swing Automatic**
Complies swing action of the louver enables automatic swing in both the left/right and up/down directions.
- Connectable Fresh Air Duct**
Outside air can be introduced by attaching a locally purchased duct to the fresh air knockout and an optional part.
- Individual Airflow Direction Control**
Each louver of a 4-way Cassette type can be controlled individually to provide comfortable airflow.

Convenience Features

- Auto-Off Timer**
Automatically stops operation when a fixed time has elapsed from the start of operation.
- Sleep Timer**
A micro-computer gradually changes the room temperature automatically to promote a comfortable night's sleep.
- Weekly Timer**
Different ON/OFF times can be set for each day.
- Weekly & Temperature Setback Timer**
Weekly & temperature setback timer can set the temperature for 24 time periods and for each day of the week.
- External ON/OFF Input**
The optional ON/OFF input enables the air conditioner to be operated by smartphone or tablet PC from outside the home.
- Multi System Control**
Operation using "Unit Lag Operation", "Backup operation", "Log Operation" is possible. (Refer to P.47)
- Special Cooling**
Special Cooling is a function that supports the operation of "Multi System Control".
- Program Timer**
This digital timer allows selection of one of four options: ON, OFF, ON + OFF, or OFF + ON.
- Filter Sign**
Indicates the filter cleaning period by blinking.
- Wireless LAN Control**
The optional WLAN adaptor enables the air conditioner to be operated by smartphone or tablet PC from outside the home.
- Individual auto**
To accommodate people's temperature differences between day and night, the system has a function that allows users to set separate temperatures for cooling and heating and automatically switches between them.

Clean Features

- Ion Deodorization Filter**
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by an ultra-fine particle ceramic.
- Washable Panel**
Since the front panel is easy to remove, maintenance is also easy.
- Apple-Catechin Filter**
The Apple-Catechin filter uses static electricity to clean the particles and dust from the air.
- Silver Ion Filter**
The Silver Ion filter helps to keep indoor air free from viruses, bacteria and molds.
- Long-Life Filter**
The long-life filter helps to keep indoor air free from viruses, bacteria and molds.
- Heat Clean**
Heats the heat exchanger (aluminum fin) inside the air conditioner to over 50°C, along with any accumulated water, to quickly and effectively clean it.

Installation / Support

- Automatic Airflow Adjustment**
Automatically detects required airflow in each application case and adjusts the volume.
- Drain Pump As Standard**
The drain pump is included as standard.
- Refrigerant Cycle Monitor**
The values of each sensor and actuator can be displayed, and the status of the refrigeration cycle can be checked.
- Blue Fin**
The blue fin is included as standard.



All DC models



The slim and stylish square design of this indoor unit is realized by using a highdensity, multipath heat exchanger and a high-efficiency wind blower.

Both white and soft black color are relatively gentle tones and no strong contrast, each color harmonize with the environment and create a warm atmosphere.



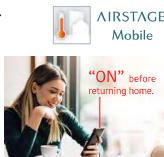
High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the R32 refrigerant.



The large louver and the air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.



A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.



Wired Remote Controller (Touch Panel) will support to display some sensor values for maintenance and service support.

*Wired remote controller (UTY-RNRGZ6 or UTY-RVRG) is required.

Disciplined example



Model: ASHH07KMCG / ASHH09KMCG / ASHH12KMCG / ASHH14KMCG
ASHH07KMCG-B / ASHH09KMCG-B / ASHH12KMCG-B / ASHH14KMCG-B

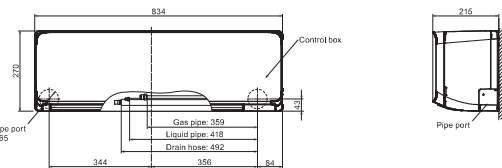


Model name	Base unit		ASHI07HVMC ASHI07HMC-C-B		ASHI09HVMC ASHI09HMC-C-B		ASHI12HVMC ASHI12HMC-C-B		ASHI14HVMC ASHI14HMC-C-B	
	Model name	Outdoor unit	ASHI07HVMC	ASHI09HVMC	ASHI12HVMC	ASHI14HVMC	ASHI07HMC-C-B	ASHI09HMC-C-B	ASHI12HMC-C-B	ASHI14HMC-C-B
Power Source										
Capacity	Cooling	Rated Min./Max.	2.0	2.5	3.6	4.2				
	Heating	Rated Min./Max.	0.9x0.6	0.9x0.2	0.9x0.9	0.9x0.4	0.9x0.4	0.9x0.4	0.9x0.4	0.9x0.4
EER	Cooling	Rated	2.5	2.7	3.2	3.4				
	Heating	Rated	0.9x2.4	0.9x0.2	0.9x0.3	0.9x0.3	0.9x0.3	0.9x0.3	0.9x0.3	0.9x0.3
Input Power	Cooling/Heating	kW	0.450/0.555	0.560/0.620	0.840/1.050	1.20/1.140				
	Cooling/Heating	kVA	0.450/0.555	0.560/0.620	0.840/1.050	1.20/1.140				
COP	Cooling	W/W	4.5	4.5	3.5	3.4				
	Heating	W/W	4.5	4.5	3.5	3.4				
Design	Cooling/Heating (ΔT°C)	W/W	2.0/2.3	2.5/2.4	3.2/3.5	4.2/4.0				
	Cooling	W/W	4.5	4.5	3.5	3.4				
ΔTGP	Cooling (heating)	W/W	4.0	4.0	4.0	4.0				
	Heating	W/W	4.0	4.0	4.0	4.0				
Energy Efficiency Class	Cooling	A++	A++	A++	A++	A++				
	Heating (Average)	A++	A++	A++	A++	A++				
Max. Operating Current	Cooling/Heating	A	6.5/9.0	6.5/9.0	6.5/9.0	6.5/9.0				
	Cooling	W/W	85	104	165	207				
Annual Energy Consumption	Cooling	W/h	100	700	900	1,500				
	Heating	W/h	1.0	1.3	1.6	2.1				
Minimum Remote	Indoor (Casing)	mm	58/157/270	43/147/240	40/130/240	41/130/240				
	Outdoor (Casing)	mm	47/157/272	47/157/272	47/157/272	47/157/272				
Sound Pressure Level	Indoor (Casing)	dB(A)	46/46	46/45	50/50	50/50				
	Outdoor (Casing)	dB(A)	57/58	55/57	55/56	57/59				
Sound Power Level	Indoor (Casing)	dB(A)	57/58	55/57	55/56	57/59				
	Outdoor (Casing)	dB(A)	57/58	55/57	55/56	57/59				
Air Flow Rate	Indoor/Outdoor (Casing)	m ³ /h	230/1,7450	207/1,650	207/1,650	207/1,650				
	Indoor/Outdoor (Casing)	m ³ /h	230/1,7450	207/1,650	207/1,650	207/1,650				
Net Dimensions W x H x D	Indoor	mm	210/834/215	210/834/215	210/834/215	210/834/215				
	Outdoor	mm	541/863/290	541/863/290	541/863/290	542/870/290				
Weight	Indoor	kg	10	10	10	10				
	Outdoor	kg	27	27	27	27				
Connection Pipe Diameter (φ) (cup/tee)										
Max. Pipe Diameter (φ) (cup/tee)										
Max. Pipe Length (ft) (cup/tee)										
Max. Height Difference (ft)										
Operating Range	Cooling	°C	-10 to 50	-10 to 50	-10 to 50	-10 to 50				
	Heating	°C	-15 to 24	-15 to 24	-15 to 24	-15 to 24				
Refrigerant	Type Global Warming Potential		410A (GWP)	410A (GWP)	410A (GWP)	410A (GWP)				
	Refrigerant	kg (CO ₂ e)	0.62 (0.45)	0.62 (0.45)	0.62 (0.45)	0.62 (0.45)				

Wired Remote Controller (Design type):	UTY-RVRG	Simple remote controller:	UTY-RSRGZ1	Network Converter for single split (DC power supply type):	UTY-ATGX
Compact wired remote controller:	UTY-RRCGZ1	Wireless remote controller:	UTY-RWX	Network Converter for single split (AC power supply type):	UTY-ATGXV
Wired remote controller (ouch panel):	UTY-RRGZ6	Communication Kit:	UTY-RWRGZ2	Silver Ion filter:	UTY-FAT5-5
Wired remote controller:	UTY-RLRG	External Connect Kit:	UTY-RWZX	External input and output PCB*1:	UTY-SCXZ2
Simple remote controller (without operation mode):	UTY-RHRGZ1		UTY-RWZKZ5	External switch controller:	UTY-TERX

*1 It is required when 2 or more external input and output ports are used

(Unit: mm)



Hybrid-heat exchanger
The large hybrid heat exchanger has greatly improved the heat exchange efficiency to achieve top-level SEER and SCOP.

Ø5 mm
High-density heat exchanger

Ø7 mm
Large heat exchanger

Ø107 Large cross-flow fan
The large-diameter fan generates air volume efficiently even at reduced power.

Wide space requirement
Easy Installation

Model: ASHH18KMTGL / ASHH24KMTGL



Specifications		Indoor unit		ASHH18MTGL		ASHH44MTGL	
Model name	Outdoor unit			ADH18BMTGL		ADH44BMTGL	
Power Source				Single phase, ~220 V, 50 Hz			
Capacity	Cooling	Rated Min~Max	kW	5.2 (0.94/5.1)	11		
	Heating	Rated Min~Max	kW	6.3 (0.94/7.7)	13.6		
Input Power	Cooling/Heating		kW	1.20/1.55	2.23/1.55		
EER	Cooling		W/W	3.74	3.23		
COP	Heating			4.64	4.02		
Power/ton	Cooling/Heating (kW/ton)		kW	5.2/6.8	11/11		
SEER	Cooling		W/W	8.00	7.30		
SDC	Heating (average)			4.40	4.30		
Energy Efficiency Class	Cooling		A+	A+			A+
	Heating (average)		A+	A+			A+
Max. Operating Current	Cooling/Heating		A	9.9/11.5	13.5/16.6		
Annual Air-conditioning Consumption	Cooling		1000kWh	1.77	2.46		
Moisture Removal	Heating		l/h	1.440	2.311		
Sound Pressure Level	Indoor (Cooling)	Indoor (L) Indoor (L)	dB(A)	51 45/50/35/29	51 45/50/35/29		
	Indoor (Heating)	Indoor (L) Indoor (L)	dB(A)	46/40/35/29	46/40/35/29		
Sound Power Level	Indoor (Cooling/Heating)	Indoor (L) Indoor (L)	dB(A)	50/50	54/54		
	Indoor (Cooling/Heating)	Indoor (L) Indoor (L)	dB(A)	46/40	49/45		
Airflow Rate	Cooling/Heating	Cooling/Heating	m³/h	65/55	69/67		
	Indoor/Outdoor (Cooling)	Indoor/Outdoor (Cooling)	m³/h	980/2350	1703/2450		
Net Dimensions H x W x D	Indoor (Cooling/Heating)	Indoor (Cooling/Heating)	mm	280 × 288 × 240	280 × 288 × 240		
	Indoor (Cooling/Heating)	Indoor (Cooling/Heating)	mm	632 × 799 × 295	716 × 823 × 315		
Weight	Indoor	Indoor	kg	12.5	12.5		
	Outdoor	Outdoor	kg	36	42		
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52/12.7	6.35/9.52/12.7		
Connection Number (L/G/G)			mm	18.8/18.8 & 16.8	18.8/18.8 & 16.8		
Pipe Length (One-Charge)			m	25 (15)	30 (15)		
Max. Height Difference			m	20	18		
Operating Range	Cooling		°C	+16 to +50*	+16 to +50*		
	Heating		°C	+5 to +24	+5 to +24		
Refrigerant	Type (Global Warming Potential)			R32 (0.75)	R32 (0.75)		
	Charge	kg (Copper-1)		102 (6.649)	132 (8.419)		
				* Outdoor set point temperature			

Optional parts

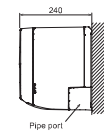
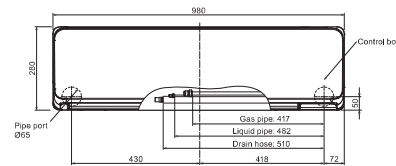
* For information on the compatibility of optional parts for Intesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTY-RVRG	Simple remote controller:	UTY-RSRG21	Network Converter for single split (dc power supply type):	UTY-VTGX
Compact wired remote controller:	UTY-RRCR21	Wireless remote controller:	UTY-R11HXV	Network Converter for single split (dc power supply type):	UTY-VTGXV
Wired remote controller (touch panel):	UTY-RNRG29	Communication Kit:	UTY-WRX22	Silver Ion Filter:	UTR-AF10
Wired remote controller:	UTY-RLRG	External input and output PCB*1:	UTY-WCSX22	External switch controller:	UTY-TERX
Simple remote controller (without operation mode):	UTY-RHRG21	External Connect Kit:	UTY-WXZ25		

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)



SPLIT

KN
Series

Wall-Mounted

Built-in WLAN adapter model
ECO Range
Compact Size



Elegant & Smart Square Design

An elegant and smart type in the eco range.
The delicate shading of the ridge line makes the unit an accessory for the room.



High Energy Saving

The size of the heat exchanger has increased to improve performance, making it more powerful despite its compact size.



Comfortable Airflow & Quiet Operation

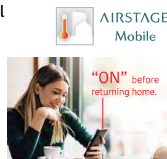
The large louver and the air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.



Smart Device Control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* See page G-022 for details on smart device control.



Highly Efficient Operation Even at High Outdoor Temperatures

Operating range
MAX 50°C
(Cooling operation)

Even when installed in the region with high outdoor air temperatures (Max. 50°C*), it is comfortable because it can cool the interior well.

* suction temperature of the outdoor unit.



Model: ASHH07KNCA / ASHH09KNCA / ASHH12KNCA



Specifications

Model name	Indoor unit	Outdoor unit	ASHH07KNCA	ASHH09KNCA	ASHH12KNCA
Power Source	ASHH07KNCA	ASHH09KNCA	ASHH12KNCA	ASHH12KNCA	ASHH12KNCA
Capacity	Cooling	Rated	2.0	2.5	3.4
		Min.-Max.	0.9-2.9	0.9-3.1	0.9-3.6
	Heating	Rated	2.5	2.8	3.8
		Min.-Max.	0.9-2.4	0.9-4.0	0.9-4.8
Input Power	Cooling/Heating	kW	0.53 / 0.58	0.55 / 0.70	1.05 / 1.02
SEER	Cooling		5.38	5.44	5.44
SEER	Heating	W/W	4.31	4.39	3.73
SEER	Cooling/Heating (EER)	kW	2.0 / 2.3	2.3 / 2.4	1.8 / 2.5
SEER	Cooling		7.8	7.4	7.0
SEER	Heating (Coverage)	W/W	4.4	4.4	4.4
Energy Efficiency Class	Cooling	A++	A++	A++	A++
	Heating (Coverage)	A+	A+	A+	A+
Max. Operating Current	Cooling/Heating	A	6.5 / 9.0	6.5 / 9.0	6.5 / 9.0
Annual Energy Consumption	Cooling	Wh/a	90	110	170
	Heating		731	795	795
Moisture Removal	Cooling	l/h	1.0	1.0	1.4
Sound Pressure Level	Indoor (Cooling)	dB(A)	36 / 33 / 22 / 20	38 / 35 / 29 / 26	40 / 36 / 32 / 20
	Indoor (Heating)	dB(A)	38 / 33 / 20 / 22	39 / 35 / 21 / 22	39 / 35 / 21 / 22
	Outdoor (Cooling/Heating)	high	43 / 44	44 / 45	49 / 49
Sound Power Level	Indoor (Cooling/Heating)	high	51 / 52	52 / 52	55 / 53
	Outdoor (Cooling/Heating)	high	57 / 54	58 / 55	62 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	530 / 1,430	580 / 1,430	600 / 1,460
	Indoor/Outdoor (Heating)	high	580 / 1,390	580 / 1,390	600 / 1,360
Net Dimensions	Indoor	mm	270 × 764 × 222	270 × 764 × 222	270 × 764 × 222
	Outdoor	mm	541 × 653 × 290	541 × 653 × 290	541 × 653 × 290
Weight	Indoor	kg	9	9	9
	Outdoor	kg	22	26	26
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Drain Hose Diameter (I.D./O.D.)		mm	13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Refr.Charge)		m	23 (15)	23 (15)	20 (15)
Max. Height Difference		m	15	15	15
Operating Range	Cooling	°CDB	+10 to 50	+10 to 50	+10 to 50
	Heating		+5 to 24	+5 to 24	+5 to 24
Refrigerant	Type (Global Warming Potential)		R32 (0.75)	R32 (0.75)	R32 (0.75)
	Charge	kg (CO2eq-7)	0.52 (0.365)	0.57 (0.365)	0.65 (0.479)

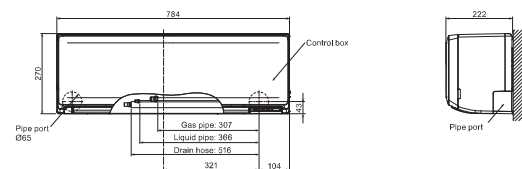
Optional parts

* For information on the compatibility of optional parts for Inesis products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTR-LNWX
Silver Ion Filter: UTR-4-Filter

Dimensions

(Unit: mm)



SPLIT

NEW

KL
Series

Wall-Mounted

Built-in WLAN adapter model
ECO Range
Cooling-enhanced typeHighly Efficient Operation Even at
High Outdoor Temperatures

Even when installed in the region with high outdoor air temperatures (Max. 52°C*), it is comfortable because it can cool the interior well.

*suction temperature of the outdoor unit

CLASS
A++

7.1[†]
*07 model



MINIMAL SMART Design

The smart design eliminates mechanical elements and offers a sophisticated, premium impression. Its compact size, with a width of 770 mm, allows for flexible installation in limited room space.



Comfortable Airflow & Quiet Operation

The large louver and the air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.



Smart Device Control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

*For more information about smart device control, please refer to the page G-022.

AIRSTAGE
Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.



Model: ASHH07KLTL / ASHH09KLTL / ASHH12KLTL

WLAN adapter
(Built-in)

Wireless RC

Specifications

Model Name	Indoor unit	ASHH07KLTL	ASHH09KLTL	ASHH12KLTL	
	Outdoor unit	AQH07KLT/A	AQH09KLT/A	AQH12KLT/A	
Power Source		Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	2.0	2.5	3.4
		Min-Max	0.94/2.8	0.94/3.0	0.9/3.7
	Heating	Rated	2.4	2.5	3.4
		Min-Max	0.9/4.3	0.9/4.5	0.9/3.7
Input Power	Cooling/Heating	kW	0.54 / 0.64	0.76 / 0.67	1.05 / 0.915
EER	Cooling	W/W	3.70	3.34	3.34
COP	Heating	W/W	3.75	3.75	3.72
Heating	Cooling/Heating (EER/COP)	kW	2.0 / 2.2	2.3 / 2.3	3.4 / 2.5
SEER	Cooling	W/W	1.10	0.80	0.70
SCOP	Heating (average)	W/W	4.10	4.10	4.10
Energy Efficiency Class	Cooling	A++	A++	A++	
	Heating (average)	A+	A+	A+	
Max. Operating Current	Cooling/Heating	A	6.0 / 6.0	6.0 / 6.0	7.0 / 7.0
Annual Energy Consumption	Cooling	Wh/a	99	129	175
	Heating		752	766	854
Moisture Removal		l/h	0.18	0.50	1.24
Sound Pressure Level	Indoor (Cooling)	dB(A)	41 / 36 / 29 / 21	43 / 36 / 29 / 21	43 / 37 / 30 / 21
	Indoor (Heating)	dB(A)	41 / 37 / 32 / 25	43 / 37 / 32 / 25	43 / 37 / 32 / 25
Sound Power Level	Outdoor (Cooling/Heating)	high	47 / 47	47 / 47	50 / 50
	Indoor (Cooling/Heating)	high	52 / 55	52 / 55	52 / 57
	Outdoor (Cooling/Heating)	high	55 / 57	58 / 57	59 / 61
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	600 / 1,450	620 / 1,450	620 / 1,700
	Indoor/Outdoor (Heating)	high	600 / 1,450	600 / 1,450	640 / 1,410
Net Dimensions	Indoor	mm	263 × 770 × 216	253 × 770 × 216	253 × 770 × 216
H × W × D	Indoor	mm	541 × 653 × 290	541 × 653 × 290	541 × 653 × 290
	Outdoor	mm	770	770	770
Weight	Indoor	kg	19	22	22
	Outdoor		19	19	22
Connection Pipe Diameter (Liquid/Gas)		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52
Drain Hose Diameter (I.D./O.D.)			13.8 / 15 to 16.8	13.8 / 15 to 16.8	13.8 / 15 to 16.8
Max. Pipe Length (Refrigerant)		m	23 (15)	23 (15)	23 (15)
Max. Height Difference		m	15	15	15
Operating Range	Cooling	°CDB	-10 to 52	-10 to 52	-10 to 52
	Heating		-15 to 34	-15 to 34	-15 to 34
Refrigerant	Type (Global Warming Potential)		R32 (0.75)	R32 (0.75)	R32 (0.75)
	Charge	kg (CO2eq-7)	0.530 (0.549)	0.530 (0.549)	0.640 (0.405)

Optional parts

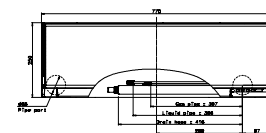
*For information on the compatibility of optional parts for Intes products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTVC-NVX

Silver Ion Filter: UTRAF-46-6

Dimensions

(Unit: mm)



SPLIT

NEW

KL
Series

Wall-Mounted

Built-in WLAN adapter model
ECO Range
Comfort for Large Room



Narrow Width & Compact Design

Compact and versatile. Powerful airflow is realized despite the 790-mm width compact design for small spaces such as bedrooms or home offices.



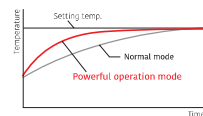
Economy Operation

Set temperature automatically increases or decreases by 1°C. The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.



Powerful Operation

In powerful operation mode, the compressor operates at maximum speed for 20 minutes to provide a powerful airflow. Rapid cooling and heating makes the room comfortable quickly.



Smart Device Control

A WLAN adapter is included as standard equipment. By installing the AIRSTAGE mobile app on your smart device, you can check and control the operating status of the air conditioner from anywhere indoors or outdoors.

* For more information about smart device control, please refer to the page C-022.

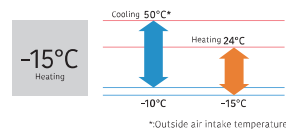


You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.



WLAN adapter (USB)

Low Ambient Operation



Model: ASHH18KLCBL / ASHH24KLCBL

WLAN adapter
(Built-in)

Wireless RC



For ASHH18KLCBL



For ASHH24KLCBL

Specifications

Options		ASHH18KLCBL		ASHH24KLCBL	
Model name	Indoor unit	Outdoor unit	ADHH18KLCB	ADHH24KLCB	
Power Source			Single phase, ~230 V, 50 Hz		
Capacity	Cooling	Rated	5.2		7.1
		Min-Max	0.9~5.5		0.9~7.7
	Heating	Rated	6.3		8.6
		Min-Max	0.6~7.6		0.9~9.0
Input Power	Cooling/Heating	kW	1.73/2.1		2.4/2.7
EER	Cooling	W/W	3.50		3.59
SEER	Heating	W/W	5.20/4.80		7.10/7.10
Foreign	Cooling/Heating (Average)	W/W	1.40		1.40
SCOP	Heating (Average)	W/W	4.30		4.00
Energy Efficiency Class	Cooling	A++	A++		A++
	Heating (Average)	A++	A++		A++
Max. Operating Current	Cooling/Heating	A	9.5/13.5		13.5/17.5
Annual Energy Consumption	Cooling	kWh/a	1.560		2.482
	Heating	kWh/a	1.9		3.1
Moisture Removal		l/h	47/44/42/35		51/45/38/23
Sound Pressure Level	Indoor (Cooling)	dB(A)	50/56		55/57
	Indoor (Heating)	dB(A)	61/65		64/65
Sound Power Level	Indoor (Cooling/Heating)	dB(A)	51/55		55/57
	Indoor (Cooling/Heating)	dB(A)	61/65		64/65
Airflow Rate	Indoor/Outdoor (Cooling)	m³/h	865/1,830		1,040/2,985
	Indoor/Outdoor (Heating)	m³/h	253 × 790 × 249		253 × 790 × 249
Net Dimensions	Indoor	mm	542 × 799 × 290		632 × 799 × 290
A x W x D	Outdoor	mm	9.5		10.0
Weight	Indoor	kg	32		38
	Outdoor	kg	6.35/9.52		8.30/12.70
Connection Pipe Diameter (Liquid/Gas)		mm	13.6/15.8 to 16.7		13.6/15.8 to 16.7
Max. Pipe Diameter (R32/D)		m	25/33		25/33
Max. Pipe Length (Free Charge)		m	20		25
Min. Height Difference	Cooling	°CDB	-10 to 50*		-10 to 50*
Operating Range	Heating	°CDB	-15 to 54		-15 to 54
	Free Charge (Heating /Refrigerant)	kg (R32+refill)	0.75 (0.75)		0.75 (0.75)
Refrigerant	Charge	kg (R32+refill)	0.85 (0.574)		1.30 (0.743)

*Outside air intake temperature

Optional parts

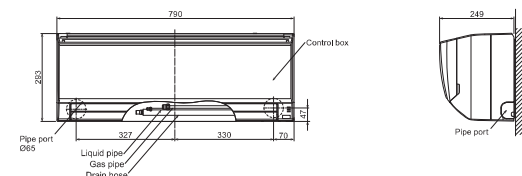
* For information on the compatibility of optional parts for Innes products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wireless remote controller: UTW-NWXX

Silver Ion Filter: UTH-WHXX

Dimensions

(Unit: mm)



SPLIT

KM
Series

Wall-Mounted Standard Range High-Efficiency & Large Room



Special Cooling

When it is necessary to be constantly cooled such as rooms with a high heat load, it is possible to operate the cooling with keeping performance even when the outside temperature is low.

* Wired remote controller (UTV-4WRC26) is required.

* Please note that we will not provide compensation for any damages suffered to your appliances or data as a result of using this function.

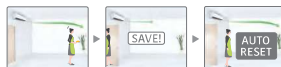
* Please use it in low-humidity environments.

Condensation and other problems may be caused when used in high-humidity environments.



Occupancy Sensor

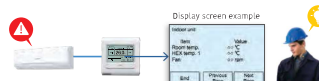
The Occupancy sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



Refrigerant Cycle Monitor (Option)

Wired Remote Controller (Touch Panel) will support to display some sensor values for maintenance and service support.

* Wired remote controller (UTV-4WRC26 or UTV-4WRC27) is required.



Smart Device Control (Option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-022.



Model: ASHH30KMTB / ASHH36KMTB



Wireless RC



Specifications

Model name	Indoor unit		ASHH30KMTB		ASHH36KMTB	
	Outdoor unit		ADHH30KMTB		ADHH36KMTB	
Power Source					Single phase ~230V, 50Hz	
Capacity	Cooling	Rated	8.0		9.4	
		Min-Max	2.5-9.0		2.5-10.0	
	Heating	Rated	8.8		10.1	
		Min-Max	2.2-11.8		2.4-12.6	
Input Power	Cooling/Heating	Cooling	3.43		3.92/3.73	
		Heating	4.92		5.47/5.1	
EER	Cooling	Cooling	2.32/2.26		2.27	
		Heating	2.27		2.27	
COP	Cooling/Heating	Cooling	6.70/6.5		6.47/6.1	
		Heating	6.40		6.30	
SEER	Cooling	Cooling	4.50		4.50	
		Heating (average)	4.50		4.50	
Energy Efficiency Class	Cooling/Heating	Cooling	A+		A+	
		Heating (average)	A+		A+	
Max. Operating Current	Cooling/Heating	Cooling	21.0/21.0		21.5/21.5	
		Heating	4.9		5.1	
Annual Energy Consumption	Cooling/Heating	Cooling	1.754		2.189	
		Heating	1.754		2.189	
Moisture Removal	Indoor (Cooling/Heating)	Cooling	2.6		3.0	
		Heating	50.14/40.33		50.14/40.33	
Sound Pressure Level	Indoor (Cooling/Heating)	Cooling	49.4/47.9/53		49.4/47.9/53	
		Heating	53/55		53/55	
Sound Power Level	Indoor (Cooling/Heating)	Cooling	65/65		65/65	
		Heating	65/65		65/65	
Airflow Rate	Indoor/Outdoor (Cooling/Heating)	Cooling	1.330/3.750		1.330/3.750	
		Heating	1.330/3.750		1.330/3.750	
Net Dimensions (H x W x D)	Indoor	Cooling	310 x 1.150 x 250		310 x 1.150 x 250	
		Outdoor	788 x 940 x 320		788 x 940 x 320	
Weight	Indoor	Cooling	15.5		15.5	
		Outdoor	52.0		52.0	
Connection Pipe Diameter (Liquid/Gas)	Indoor	Cooling	9.52/75.88		9.52/75.88	
		Heating	13.8/15.8 to 16.7		13.8/15.8 to 16.7	
Max. Pipe Length (Refrigerant)	Indoor	Cooling	100.0		100.0	
		Heating	30		30	
Max. Height Difference	Cooling/Heating	Cooling	+15°C/+46		+15°C/+46	
		Heating	-15°C/+24		-15°C/+24	
Operating Range	Type (Global Warming Potential)	Cooling	R32(GWP5)		R32(GWP5)	
		Heating	1.90E(28.3)		1.90E(28.3)	

Optional parts

* For information on the compatibility of optional parts for Intesys products, please refer to the compatibility list at the end of the "Control system & Optional parts" chapter.

Wired Remote Controller (Design type):	UTV-4WRC	Wireless remote controller:	UTV-4WRC	Network Converter for single split (DC power supply type):	UTV-4WRC
Compact wired remote controller:	UTV-4WRC21	Communication Kit:	UTV-4WRC22	Network Converter for single split (AC power supply type):	UTV-4WRC21
Wired remote controller (touch panel):	UTV-4WRC26	External input and output PCB*1:	UTV-4WRC22	External switch controller:	UTV-4WRC21
Wired remote controller:	UTV-4WRC	WLAN adapter:	UTV-4WRC22	External Connect Kit:	UTV-4WRC21
Simple remote controller (without operation mode):	UTV-4WRC21		UTV-4WRC22		UTV-4WRC21
Simple remote controller:	UTV-4WRC21	Silver Ion Filter:	UTV-4WRC21		UTV-4WRC21

*1 It is required when 2 or more external input and output ports are used.

Dimensions

(Unit: mm)

